Projection of Solid

1. A square prism, side of base 40 mm and axis 60 mm has one of the side of base in the H.P. which makes an angle 30˚ with the V.P. and axis inclined at an angle 45˚ with the H.P. Draw its projections.
2. A pentagonal prism having an edge of base 30 mm, axis height 70 mm has one of its corner in the H.P. The axis is inclined at 30˚ to the H.P. and the T.V. of an axis is inclined at 45˚ to the V.P. Draw the projections.
3. A right circular cylinder diameter of base 50 mm and axis height 70 mm has one of the circumference point of base in the H.P. such that its axis is inclined at 30˚ to the H.P. and the axis appears to be inclined at 45˚ to the V.P. in the T.V. Draw its projections.
4. A right circular cylinder diameter of base 60 mm and axis height 80 mm has one of the circumference point of base in the V.P. such that its axis is inclined 30˚ to H.P. and 45˚ to V.P. Draw the projections.
5. A cone of base 60 mm diameter and axis 70 mm long is laying on one of its generator on the V.P. with its F.V. of an axis making an angle of 50˚ with the H.P. Draw its projections considering the apex nearer to observer.
6. A cone of base 60 mm diameter and axis 70 mm long is resting on H.P. on its circular rim with the axis of the cone making an angle of 30˚ with the H.P. and 45˚ with V.P. Draw the projection if apex is nearer to V.P.
7. A right circular cone of a base circle 60 mm and height 70 mm is suspended by a string attached to the mid-point of any one of its generators. If the top view of an axis makes an angle 30˚ to the V.P. and apex away from the V.P. draw its projections.
8. A square pyramid of 40 mm side of base and 60 mm length of an axis is resting in the V.P. on one of its slant edges. Draw its projection if the plane containing that slant edge and axis is normal to the V.P. inclined at 30˚ to the H.P. and the base away from an observer.
9. A hexagonal pyramid, base 30 mm side and axis 80 mm long is having one of its base edge in the H.P. and parallel to V.P. Draw its projections if its apex is 50 mm above H.P.
10. A pentagonal pyramid, 40 mm edge of the base and axis height 70 mm is resting on one of its corner of base on H.P. The edge opposite to the corner is parallel to and 45 mm above H.P. and is parallel to V.P. Draw the projections when apex is nearer to observer.